



RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/035,832

DATE: 08/02/2002
TIME: 12:27:10

Input Set : D:\A71249.ST25.txt
Output Set: N:\CRF3\08022002\J035832.raw

3 <110> APPLICANT: Morris, David
4 Engelhard, Eric
6 <120> TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
8 <130> FILE REFERENCE: A-71249/RMS/DCF
10 <140> CURRENT APPLICATION NUMBER: US 10/035,832
C--> 11 <141> CURRENT FILING DATE: 2002-07-22
13 <150> PRIOR APPLICATION NUMBER: US 09/747,377
14 <151> PRIOR FILING DATE: 2000-12-22
16 <150> PRIOR APPLICATION NUMBER: US 09/798,586
17 <151> PRIOR FILING DATE: 2001-03-02
19 <160> NUMBER OF SEQ ID NOS: 1613
21 <170> SOFTWARE: PatentIn version 3.1
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 282
25 <212> TYPE: DNA
26 <213> ORGANISM: Mus musculus
28 <400> SEQUENCE: 1
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31 gatatttttc ttcccatgt gagattatga agttgtttct agagtgcag acgcaggttg 120
33 aaggataagt acacaggtcc caaggaacca agcgttttca ctgacggtga tgagtcttgt 180
35 tcgtgagatt gttgtgatcc tcagcctttc tcttcccttg tgtgtgctct tcattttctg 240
37 gttctgtctg cctagcacct cctggggaag ctgctgtgct tt 282
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41 <211> LENGTH: 90
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43 <213> ORGANISM: Mus musculus
45 <400> SEQUENCE: 2
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48 agatgcacag ggaagccaaa gcattcagcc 90
51 <210> SEQ ID NO: 3
52 <211> LENGTH: 59
53 <212> TYPE: DNA
54 <213> ORGANISM: Mus musculus
56 <400> SEQUENCE: 3
57 atatgaccac aaggaaataa gataaagtgt tcatactgaa tttataatga aaagtgatc 59
60 <210> SEQ ID NO: 4
61 <211> LENGTH: 197
62 <212> TYPE: DNA
63 <213> ORGANISM: Mus musculus
65 <400> SEQUENCE: 4
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68 ctacacgttt gctccatgcc ctgcttctct gaccacagt tactgagaat atgctgagcc 120
70 ctagtctctg gggaggaggc agaagagagc agcatcctgc ccacttgaag gcgtgcacac 180

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72 atagttcctg tctgac                                     197
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76 <211> LENGTH: 190
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78 <213> ORGANISM: Mus musculus
80 <400> SEQUENCE: 5
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83 tcttcacctc atgttctcat ttgcaaactc acatgaacac tatttgacct acacacttca      120
85 taaagctgtt tttagaaaga cgagataata caggaggaac gctacaatat taaatgatat      180
87 gtatttatat                                           190
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91 <211> LENGTH: 113
92 <212> TYPE: DNA
93 <213> ORGANISM: Mus musculus
95 <400> SEQUENCE: 6
96 agtggttagg tcagctgggt caggagaagc ttcttgagga agacgacct ctggcaaggg      60
98 ctgatggtag aaaataatgg acttctctcc aactgagtag gaacttgatg atc           113
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102 <211> LENGTH: 284
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104 <213> ORGANISM: Mus musculus
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109 tccttagctt atatgaggct ctagtgcccg gagactttaa tactgcccta acatgatggg      120
111 ggctctttgt cctcttttct cagccactga aatctgacag tttggggaag aataataaga      180
113 atttaagaaa ctgatgggt ttaaataatag atataaaaac agttcttcga ctattctcaa      240
115 taaagaaatt cagtcaaaag aatttcagtc ctaacacaat gac                                           284
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119 <211> LENGTH: 313
120 <212> TYPE: DNA
121 <213> ORGANISM: Mus musculus
123 <400> SEQUENCE: 8
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126 acctctaaca ggcaaccaga tgcataata gcttatattg ttttagaaat cacttggaact      120
128 actctaaaca acaacttgag tgaaggctct ttgtatctga tactggaggt tgtagtcta      180
130 tgacacttgt ggggagacat gtctgcacaa gtagcatatg tgtgtacatg tatattgtat      240
132 acatatatag ttttgctcta tgtatgtatg tgtatatgta tgtatgtata tgtatatgta      300
134 tgtatatata tag                                           313
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138 <211> LENGTH: 219
139 <212> TYPE: DNA
140 <213> ORGANISM: Mus musculus
142 <400> SEQUENCE: 9
143 aagggaacctg ataatcgtgt tggcaactgg gctacaatta gttatcaatt gcttgcttgc      60
145 cactgacct gctccataga gaatcatagt ctggggagtg tggaggaata gcggagtcac      120
147 ctaaacacat cactgctgcc cccaccattt gctgcccac aggccctgc ctttcatttt      180
149 gcatttctcc ctcttacaag caaatggcgc tcactgatc                                           219
152 <210> SEQ ID NO: 10
153 <211> LENGTH: 135

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154 <212> TYPE: DNA
155 <213> ORGANISM: Mus musculus
157 <400> SEQUENCE: 10
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160 atgtataaat taaaatcagc ttttaattag cttaacacac acatacgaag gcaaaaatgt      120
162 aacgttactt tcatc      135
165 <210> SEQ ID NO: 11
166 <211> LENGTH: 35
167 <212> TYPE: DNA
168 <213> ORGANISM: Mus musculus
170 <400> SEQUENCE: 11
171 gatctcatta cagatggttg tgagctacca tgtgg      35
174 <210> SEQ ID NO: 12
175 <211> LENGTH: 171
176 <212> TYPE: DNA
177 <213> ORGANISM: Mus musculus
179 <400> SEQUENCE: 12
180 gatctcagga ggcaccgaga gactcagcat ggactcaaat gagtaccctg gcagcccgca      60
182 acaccagctg tgtaacacta ccgtgaggga tgtcttccct gcctccctcc agcccttct      120
184 caggccctga gtccagtgtg caaagctcat catgggttagt ccccttcacc t      171
187 <210> SEQ ID NO: 13
188 <211> LENGTH: 83
189 <212> TYPE: DNA
190 <213> ORGANISM: Mus musculus
192 <400> SEQUENCE: 13
193 agagcacccg actgctcttc cgaaggcca gagttcaaat cccagcaacc acatggtggc      60
195 tcacaacat ccgtaacaag atc      83
198 <210> SEQ ID NO: 14
199 <211> LENGTH: 271
200 <212> TYPE: DNA
201 <213> ORGANISM: Mus musculus
203 <400> SEQUENCE: 14
204 gatcaaatcc tgtcaggag aggggtcct cccagtagtg ccatcccata ataataagaa      60
206 ggactcctgg gcctcagtga agtcaggctg accactactg cagggttagtc atgaccagta      120
208 gccagaatgg aacgaagggt gaccagtggt gaggacacag ccccaggcaa ctgcttctgc      180
210 tttgagccaa gttgttacc caaagctcgt cattccgctt gggtttctcat gtgtgtgagc      240
212 tgcacatatg gaggtcccc tttgttccct t      271
215 <210> SEQ ID NO: 15
216 <211> LENGTH: 270
217 <212> TYPE: DNA
218 <213> ORGANISM: Mus musculus
220 <400> SEQUENCE: 15
221 gtgaggaagg tccctctgca ttctaacctt cctcaactcc accagcctcg gcgtttaagg      60
223 gagaaatatt accgttccct ttgggccaaag ttggagccag tgaagtagtc ggaaatgtac      120
225 agtcacagga aattgctgct accaaggctg gaggaacaaa gagaagactt gtcacaagag      180
227 gccagagagg aagtcaccca gtacaaactg aaqcgcgcg gcacacacac acacacacac      240
229 acacacacgc acacacacac acacacgac      270
232 <210> SEQ ID NO: 16
233 <211> LENGTH: 136

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234 <212> TYPE: DNA
235 <213> ORGANISM: Mus musculus
237 <400> SEQUENCE: 16
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240 gaagcttccg aaatgtgcgt gctccacctg tccctcacct cacagacatc atttctccat      120
242 ttagccctc cgcac      136
245 <210> SEQ ID NO: 17
246 <211> LENGTH: 43
247 <212> TYPE: DNA
248 <213> ORGANISM: Mus musculus
250 <400> SEQUENCE: 17
251 gatcccttg aatttacagt cggttccaac aatcatgtag atg      43
254 <210> SEQ ID NO: 18
255 <211> LENGTH: 380
256 <212> TYPE: DNA
257 <213> ORGANISM: Mus musculus
259 <400> SEQUENCE: 18
260 gatcggctat agcatttgct aatgtttacc cagaagaata gcacagatat atttgcacat      60
262 caatgcttat tgcagtatta ttcacagtgg ctatgtaatg gaaccaacct acatggccag      120
264 caactgaata gattaagaaa atatatatac acaatgggtgc ttttttcggc tataaagaag      180
266 aatgaagtta tgttgtttgt tagaagatgg atgaaagtgg agatgataat atcaagtgca      240
268 cagtcaacct ctctctctca cctccccgc cccgctcttt ctctctcata tacatttgag      300
270 agtagcagta aactgtctga gaacaaaggg gattaatggg aggggagaag attaaggagc      360
272 ggaagggtag taggtagtat      380
275 <210> SEQ ID NO: 19
276 <211> LENGTH: 37
277 <212> TYPE: DNA
278 <213> ORGANISM: Mus musculus
280 <400> SEQUENCE: 19
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284 <210> SEQ ID NO: 20
285 <211> LENGTH: 312
286 <212> TYPE: DNA
287 <213> ORGANISM: Mus musculus
289 <400> SEQUENCE: 20
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292 cctgtggatg gtggtggttt tgtttgtttg ttggttttgt tttaggaagt cagggatggg      120
294 gtgggaatct cactctgtgg cttagacttg caacaatccc aaattctgga atgataagca      180
296 agagagctgt ctagtccag tctcagatac atgctgttaa tttctacta ctgctataac      240
298 acataggctc aaatgcggtg gcttacctaa cacaccctgt gcagtctga aagtcgtaac      300
300 tctggcacga tc      312
303 <210> SEQ ID NO: 21
304 <211> LENGTH: 56
305 <212> TYPE: DNA
306 <213> ORGANISM: Mus musculus
308 <400> SEQUENCE: 21
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312 <210> SEQ ID NO: 22
313 <211> LENGTH: 251

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314 <212> TYPE: DNA
315 <213> ORGANISM: Mus musculus
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320 ctttgggggtt ttttgtttgt ttgtttgggtt ggttggttg tttggttttag tttggtttgg      120
322 ttcaagacag ggtttctctg tggtgcctg gatgtcctg aactctctt gtagaccagg      180
324 gtggccttta actcacagaa atgcgcctgc taggattaaa gctgtgtccc accactatat      240
326 atatatgtgt g                                     251
329 <210> SEQ ID NO: 23
330 <211> LENGTH: 98
331 <212> TYPE: DNA
332 <213> ORGANISM: Mus musculus
334 <400> SEQUENCE: 23
335 gtcacagtgt tagagccaca gacgggggaa cctactggct gtccctgggtt cctgtaaact      60
337 aggggacaaa gctgccacag ccagacttag ctgcgac                                     98
340 <210> SEQ ID NO: 24
341 <211> LENGTH: 149
342 <212> TYPE: DNA
343 <213> ORGANISM: Mus musculus
345 <400> SEQUENCE: 24
346 gatcgtctgt tctgtaaatc cgcaacgaca attgttatct tctccttttc tttcttttat      60
348 ttgttttatt ctattttatt ttccagatga actctcatgt agcccaggct ggtctcaaac      120
350 tccctctgta gctgaaggca accttgaac                                     149
353 <210> SEQ ID NO: 25
354 <211> LENGTH: 39
355 <212> TYPE: DNA
356 <213> ORGANISM: Mus musculus
358 <400> SEQUENCE: 25
359 ttcctacacc atagcattta gttgtaggca gaagcgatc                                     39
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363 <211> LENGTH: 296
364 <212> TYPE: DNA
365 <213> ORGANISM: Mus musculus
367 <400> SEQUENCE: 26
368 gatcggctca agggctctaa tttagtctag gaagtcctta ggaaacatga aaatctccga      60
370 gataagaccc ggggtaaaaa gcttgagcca cggagttaga catgccaggg gtggagtcac      120
372 gttcagaggt tcaagaccg aatcagctac gtaaataaag catttgaggc ctacctgggc      180
374 tacaagagag tatctttaaa taaataagat gatttaaaaa aaactgtttt ccccttagat      240
376 ggattaaaaa aacaagacaa aacaaaacaa aacaaaaacc cgtcttttct tcttaa       296
379 <210> SEQ ID NO: 27
380 <211> LENGTH: 44
381 <212> TYPE: DNA
382 <213> ORGANISM: Mus musculus
384 <400> SEQUENCE: 27
385 ctgtccgtgt gggaaacgtt tagcaagtcc gagcgtgttc gatc                                     44
388 <210> SEQ ID NO: 28
389 <211> LENGTH: 211
390 <212> TYPE: DNA
391 <213> ORGANISM: Mus musculus

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Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa